

AMENDMENT OF THE CLAIMS

1. (currently amended) A processed-object transfer system for transferring an object to be processed, while taking the object, which is not yet processed, out of a processed-object carrier which is provided on the top face of a load port unit and transfer the object, which is already processed, to the processed object carrier, said processed-object transfer system comprising:

a system body;

a linear motor which is provided so as to extend in lateral directions of said system body; and

BB
a processed-object transfer robot which is mounted on a primary or secondary side of said linear motor and which is capable of linearly reciprocating in longitudinal directions of said linear motor,

wherein said load port unit is mounted on the outside of a front wall of said system body, and said linear motor is mounted in vertical directions inside of said front wall of said system body.

2. (original) A processed-object transfer system as set forth in claim 1, which further comprises an exhaust fan which is provided on the bottom of said system body.

3. (original) A processed-object transfer system as set forth in claim 2, which further comprises a clean air supply system for supplying clean air to said object which is transferred by said processed-object transfer robot, said clean air supply system being provided in an upper portion of said system body.

4. (currently amended) A processed-object transfer system as set forth in claim 1, which further comprises a braking device including:

a movable body which is mounted on one of the primary and secondary sides of said linear motor, said movable body being ~~absorbed by~~ subject to a magnetic attraction of a coil, which is included in said one of the primary and secondary sides, against a resilient restoring force of a compression spring acting in the opposite direction to said magnetic attraction; and

B3
a brake plate which is mounted on the other side of the primary and secondary sides of said linear motor so as to face said movable body, said brake plate being contacted pressingly with said movable body by interrupting the feeding of power to said coil.

5. (canceled)

6. (previously presented) A processed-object transfer system as set forth in claim 4, wherein said system body is provided with an emergency stop switch for emergency-stopping a processed-object transfer robot, and the feeding of power to said coil is interrupted by operating said switch.

7. (currently amended) A semiconductor fabricating system comprising:

a processed-object transfer system as set forth in claim 1, and
a processing means for processing the object to be processed.

8. (canceled)

9. (new) A processed-object transfer system for transferring an object to be processed, from and to a processed-object carrier, said processed-object transfer system comprising:

a system body having a front wall;

a linear motor which is provided so as to extend laterally in said system body; and

B3
a processed-object transfer robot which is mounted on a primary or secondary side of said linear motor and which is capable of linearly reciprocating longitudinally in said system body,

wherein said load port unit is mounted on the outside of said front wall, and said linear motor is supported by said first wall within the system body, and

wherein said linear motor comprises a primary side and a secondary side with vertically oriented opposing faces.
